

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) ~~Method~~ A method for monitoring broadcast signals at alternative frequencies during the reception of a broadcast signal at a present frequency, comprising:

~~a step of~~ instantaneously switching the receiver's gain from a present gain value corresponding to said present frequency to a second gain value corresponding to an alternative frequency ~~whenever~~ when the broadcast signal at said alternative frequency is checked,

whereby said second gain value is adapted to the supposed signal strength of the broadcast signal at said alternative frequency,

wherein both the broadcast signal received at said present frequency and the broadcast signal received at said alternative frequency are broadcast signals according to the DRM standard.

2. (Currently Amended) ~~Method~~ The method according to claim 1, ~~characterized by~~ further comprising:

~~a step of~~ determining whether the program transmitted via the broadcast signal at said alternative frequency is the same as the program transmitted via the broadcast signal at the present frequency.

3. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized by~~ further comprising:

~~a step of~~ comparing the signal strength of the broadcast signal received at the
alternative frequency to the signal strength of the broadcast signal received at the present
frequency.

4. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized in that~~ wherein

~~in case when~~ the signal strength of the broadcast signal at the alternative
frequency surpasses the signal strength of the signal at the present frequency by a predefined
amount, and ~~in case when~~ the programs transmitted at both frequencies are identical, the received
frequency is switched from the present frequency to the alternative frequency.

5. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized in that~~ wherein

alternative frequencies are monitored during time slots (~~18, 20, 22~~) of static data
symbol transmission, whereby during a first time slot (~~18~~), the receiver's gain control circuit (13)
settles to said second gain value, and whereby during a second time slot (~~20~~) of static data
symbol transmission, the receiver's gain is instantaneously switched to said second gain value.

6. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized by~~ further comprising:

~~a step of correlating said broadcast signal received at said present frequency and~~
said broadcast signal received at said alternative frequency.

7. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized in that~~ wherein

the second gain value is set to a predefined constant.

8. (Currently Amended) ~~Method~~ The method according to claim 1,
~~characterized in that~~ wherein

the second gain value is determined by reducing the present gain value by a
predefined constant.

9. (Currently Amended) ~~Method~~ according to claim 1, characterized in that
A method for monitoring broadcast signals at alternative frequencies during
reception of a broadcast signal at a present frequency, comprising:

instantaneously switching a receiver's gain from a present gain value
corresponding to said present frequency to a second gain value corresponding to an alternative
frequency whenever the broadcast signal at said alternative frequency is checked, whereby said
second gain value is adapted to the supposed signal strength of the broadcast signal at said
alternative frequency,

wherein both the broadcast signal received at said present frequency and the
broadcast signal received at said alternative frequency are broadcast signals according to the
DRM standard and

wherein the second gain value is determined by iteratively reducing the present gain value, whereby in each step, the ~~second~~ present gain value is reduced by a predefined constant.

10. (Currently Amended) ~~Method~~ The method according to claim 1, ~~characterized in that~~ further comprising:

~~for each of a set of alternative frequencies,~~ storing a corresponding gain value adapted to the signal strength of the broadcast signal at said alternative frequency ~~is stored~~ for each set of alternative frequencies.

11. (Currently Amended) ~~Receiver~~ A receiver comprising:

a gain control unit,

wherein said gain control unit comprises:

gain switching means for instantaneously switching the receiver's gain from a present gain value corresponding to ~~said a~~ a present frequency to a second gain value corresponding to an alternative frequency whenever ~~the a~~ a broadcast signal at said alternative frequency is checked,

whereby said second gain value is adapted to the supposed signal strength of the broadcast signal at said alternative frequency, and

wherein both the broadcast signal received at said present frequency and the broadcast signal received at said alternative frequency are broadcast signals according to the DRM standard.

12-15. (Canceled)

16. (Currently Amended) ~~Receiver~~ The receiver according to claim 11,
~~characterized by~~ further comprising:

comparator means adapted for comparing the signal strength of the broadcast signal received at the alternative frequency to the signal strength of the broadcast signal received at the present frequency.

17. (Currently Amended) ~~Receiver~~ The receiver according to claim 11,
~~characterized by~~ further comprising:

frequency switching means adapted for switching the received frequency from the present frequency to the alternative frequency ~~in case~~ when the signal strength of the broadcast signal at the alternative frequency surpasses the signal strength of the signal at the present frequency, and ~~in case~~ when the programs transmitted at both frequencies are identical.

18. (Canceled)

19. (Currently Amended)) ~~Receiver~~ The receiver according to claim 11,
~~characterized in that~~ wherein

alternative frequencies are monitored during time slots ~~(18, 20, 22)~~ of static data symbol transmission, whereby during a first time slot ~~(18)~~, the receiver's gain control circuit settles to said second gain value, and whereby during a second time slot ~~(20)~~ of static data symbol transmission, the receiver's gain is instantaneously switched to said second gain value.

20. (Currently Amended) ~~Receiver~~ The receiver according to claim 11,
~~characterized by further comprising:~~

a correlator adapted for correlating said broadcast signal received at said present frequency and said broadcast signal received at said alternative frequency.

21-22. (Canceled)

23. (Currently Amended) ~~Receiver~~ The receiver according to claim 11,
~~characterized by further comprising:~~

storage means adapted for storing, for each of a set of alternative frequencies, a corresponding gain value adapted to the signal strength of the broadcast signal at said alternative frequency.

24. (Currently Amended) ~~Computer program product,~~
~~comprising computer program means adapted to perform the method steps as~~
~~defined in claim 1~~ A program stored on a computer readable medium, for causing a computer,
when said computer program product is executed on a computer or digital signal processor, to
perform the method as defined in claim 1.

25. (New) A method for monitoring broadcast signals at alternative frequencies during reception of a broadcast signal at a present frequency, comprising:

instantaneously switching the receiver's gain from a present gain value corresponding to said present frequency to a second gain value corresponding to an alternative frequency when the broadcast signal at said alternative frequency is checked,

whereby said second gain value is adapted to the supposed signal strength of the broadcast signal at said alternative frequency,

wherein both the broadcast signal received at said present frequency and the broadcast signal received at said alternative frequency are broadcast signals according to the DRM standard, and

wherein the second gain value is determined by iteratively modifying a predetermined gain value.